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FIGURE 1

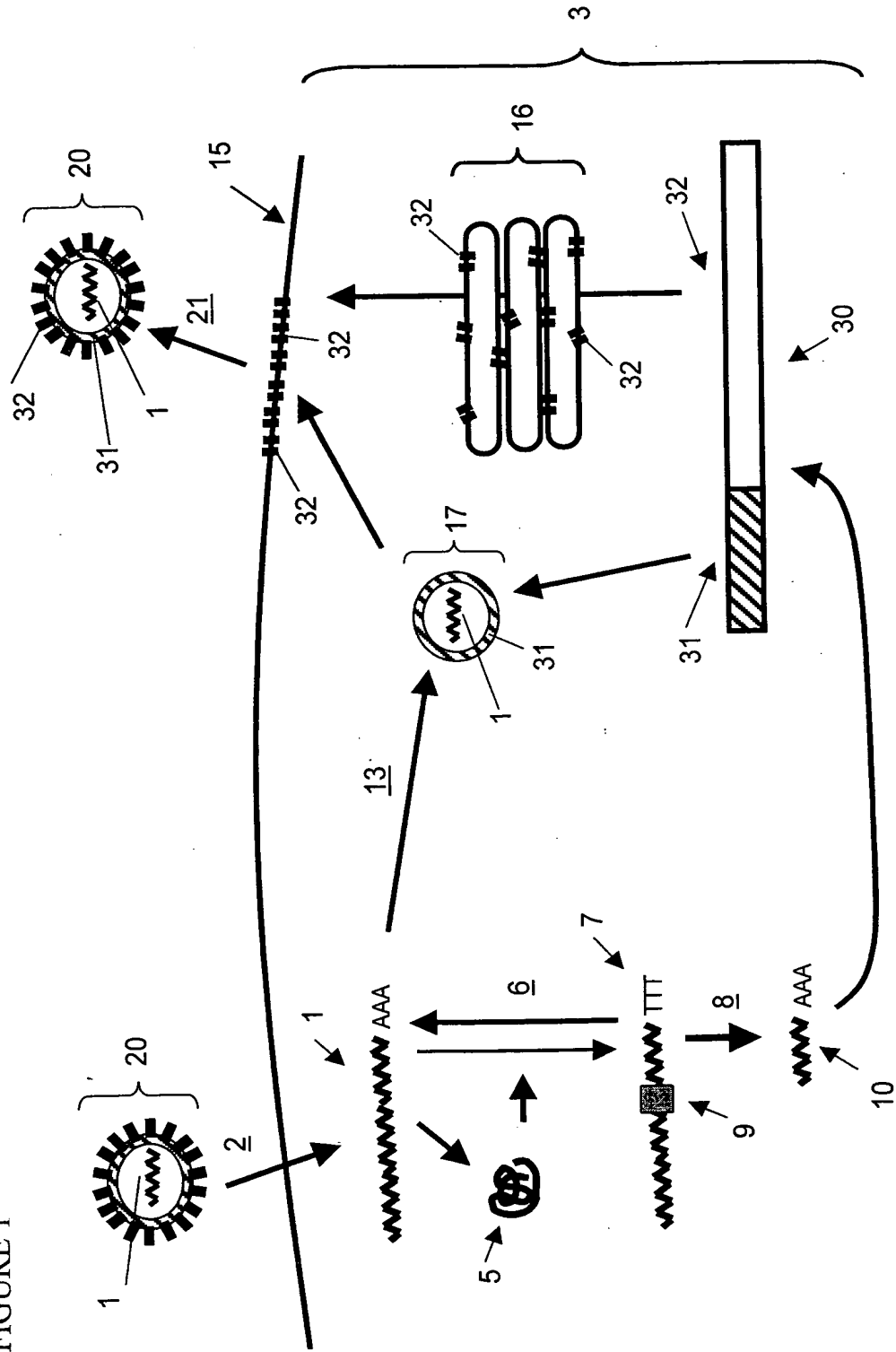


FIGURE 2

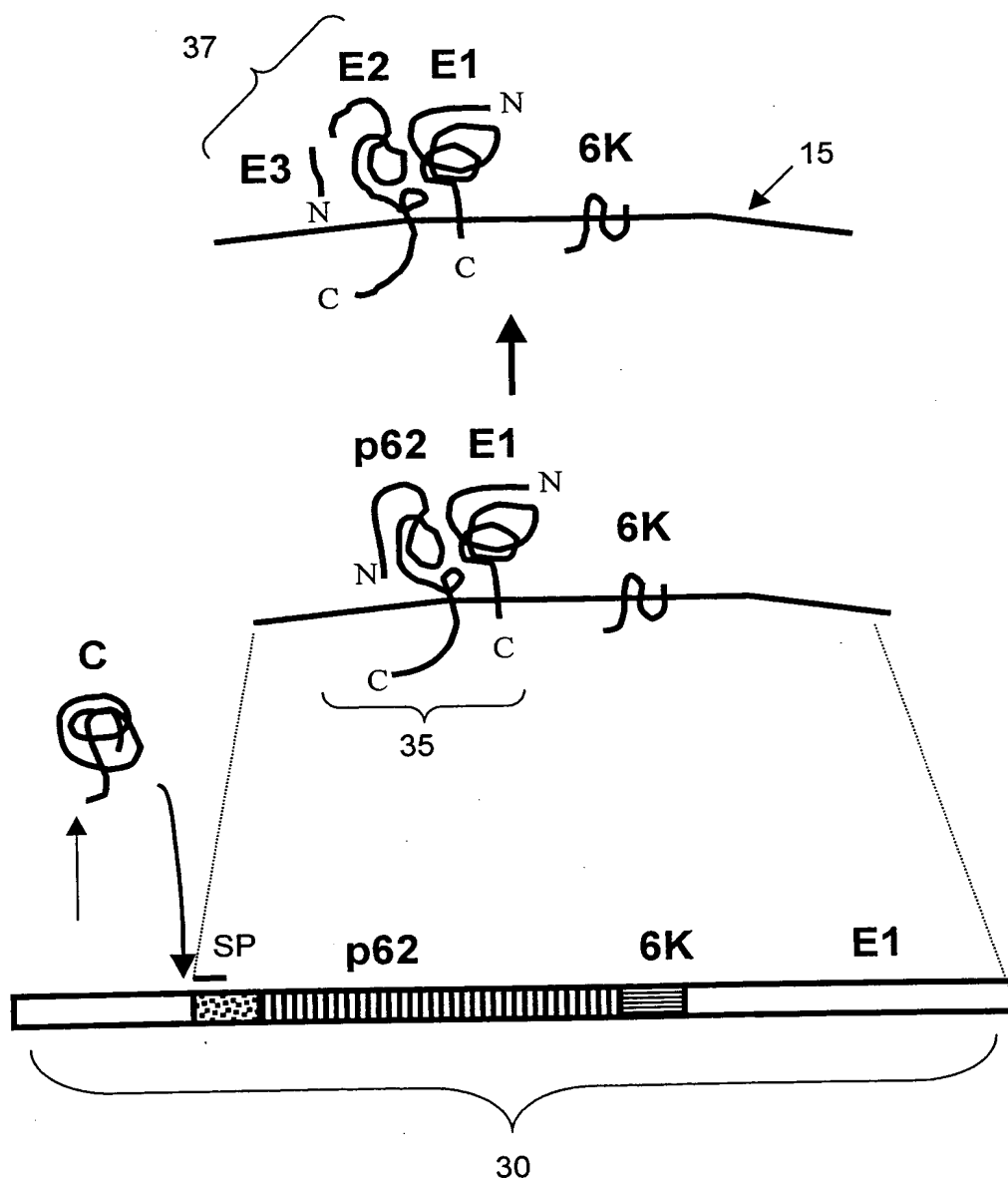


FIGURE 3A

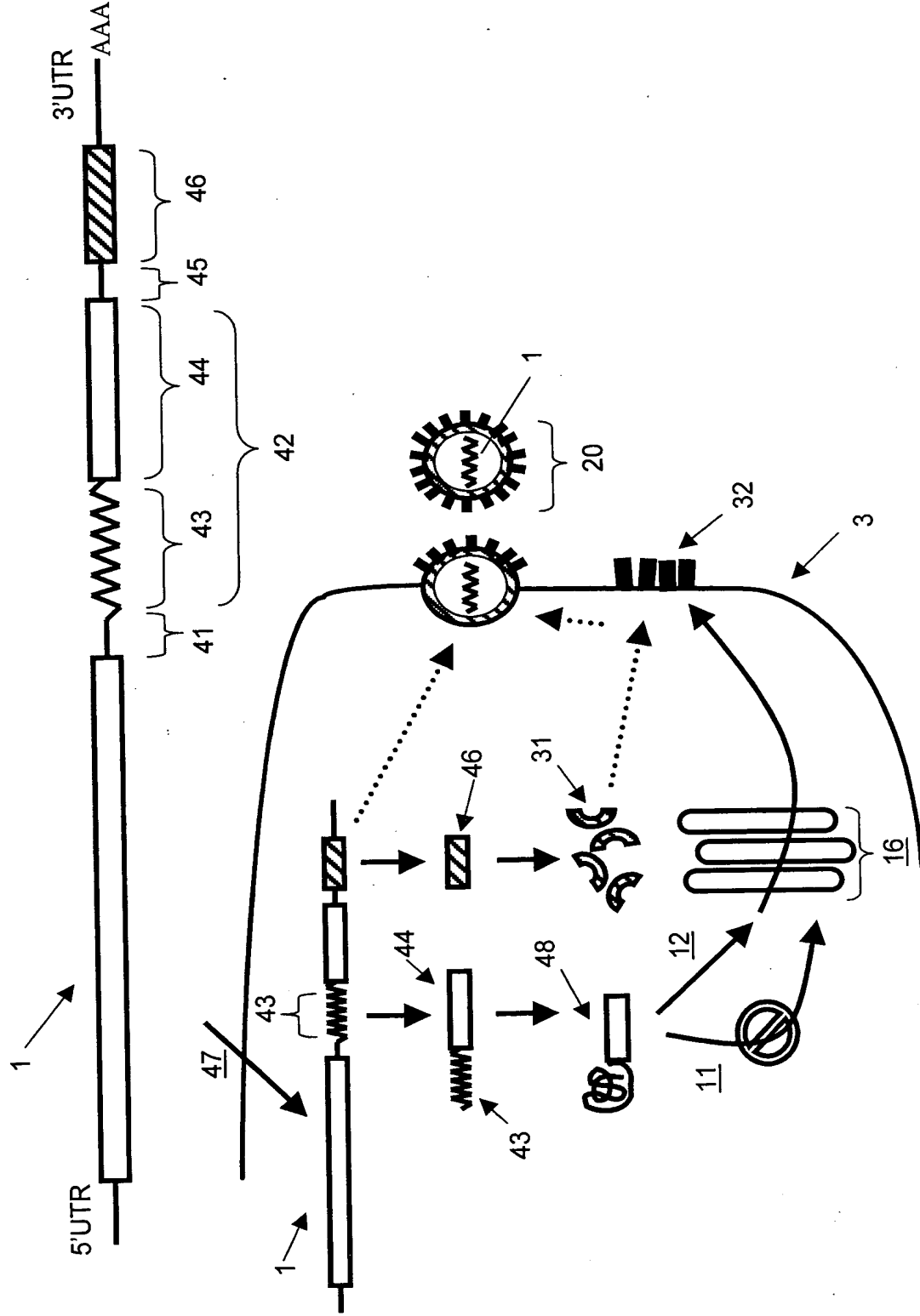


FIGURE 3B

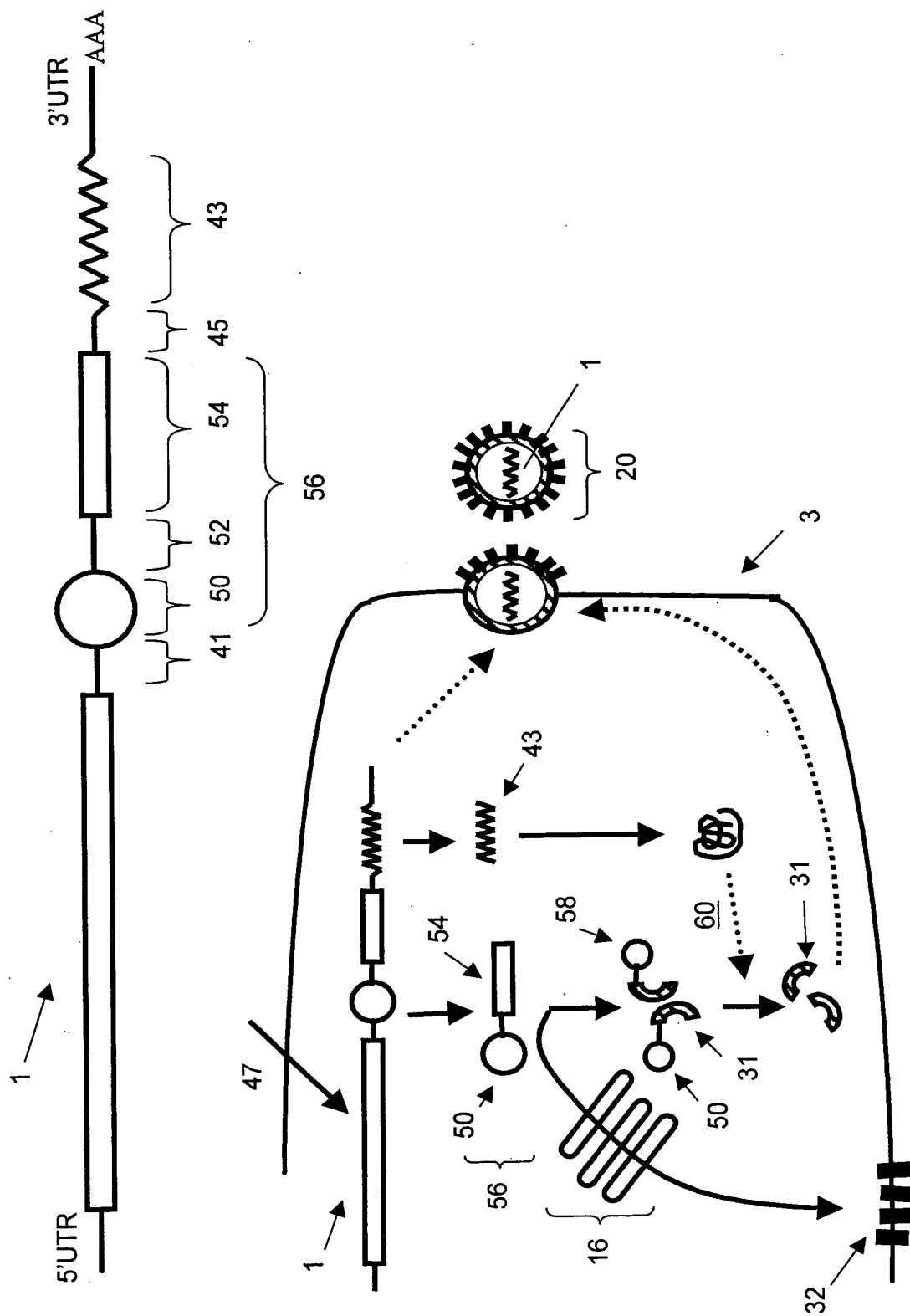


FIGURE 3C

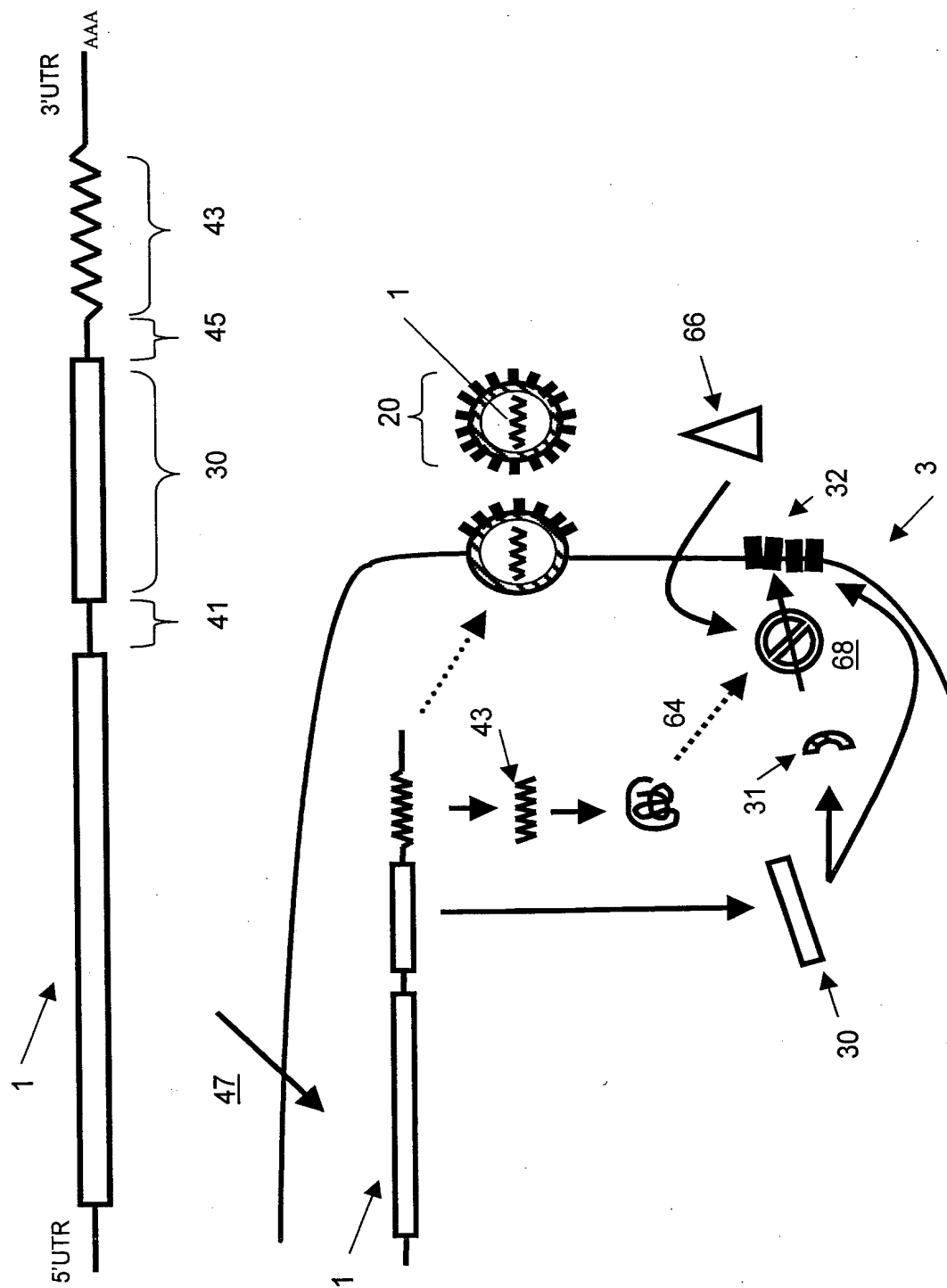


FIGURE 4A

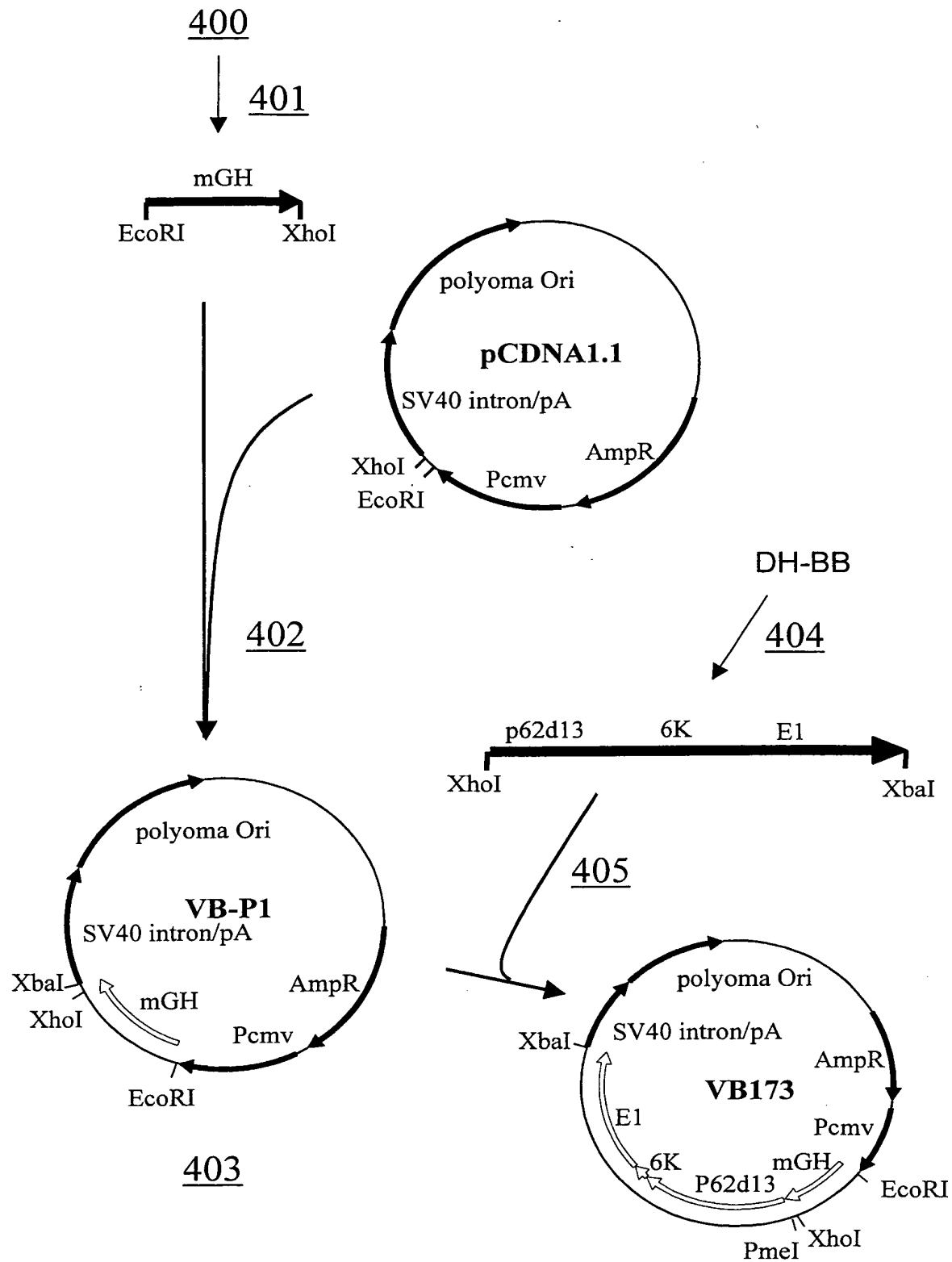


FIGURE 4B

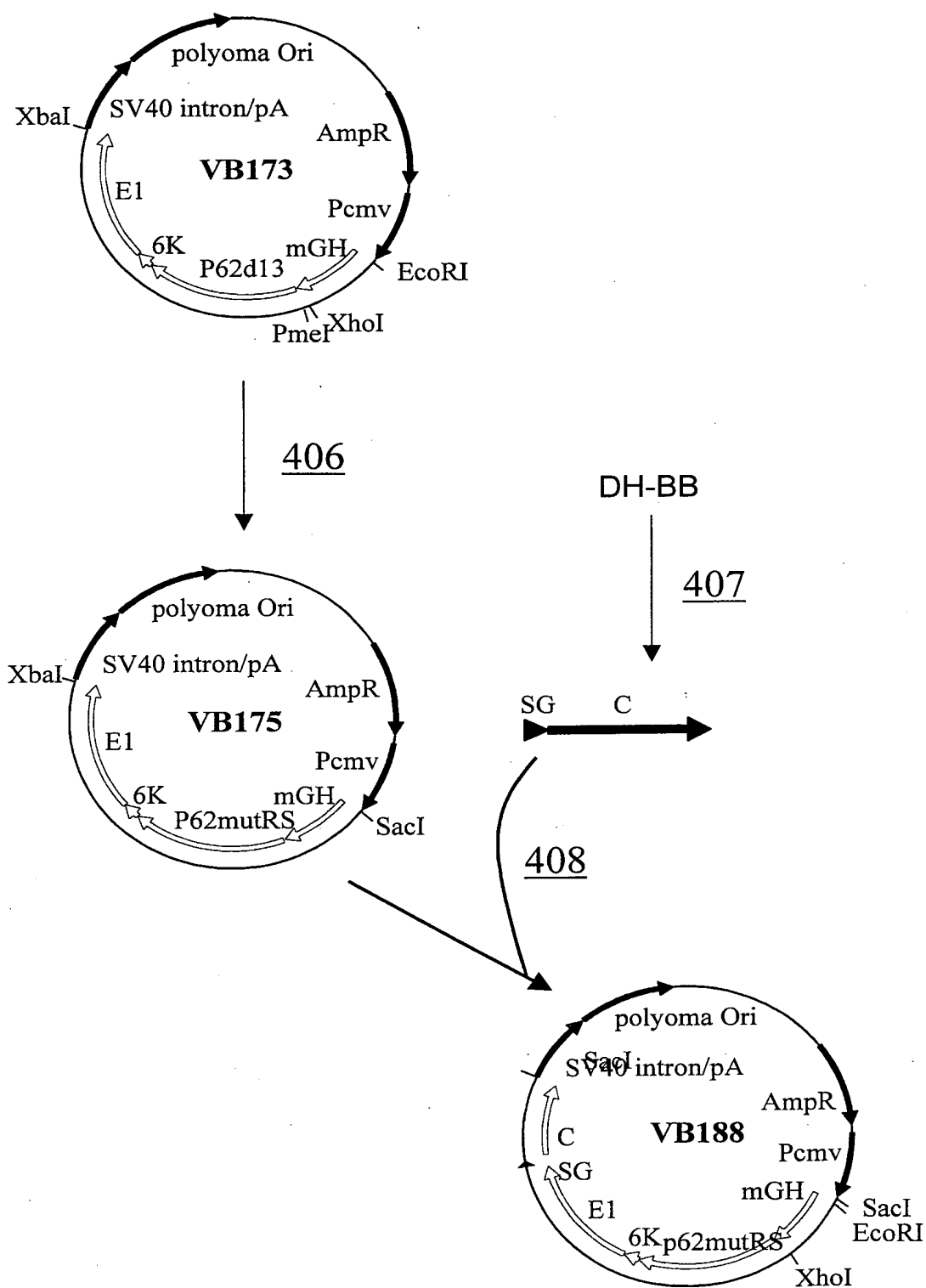


FIGURE 4C

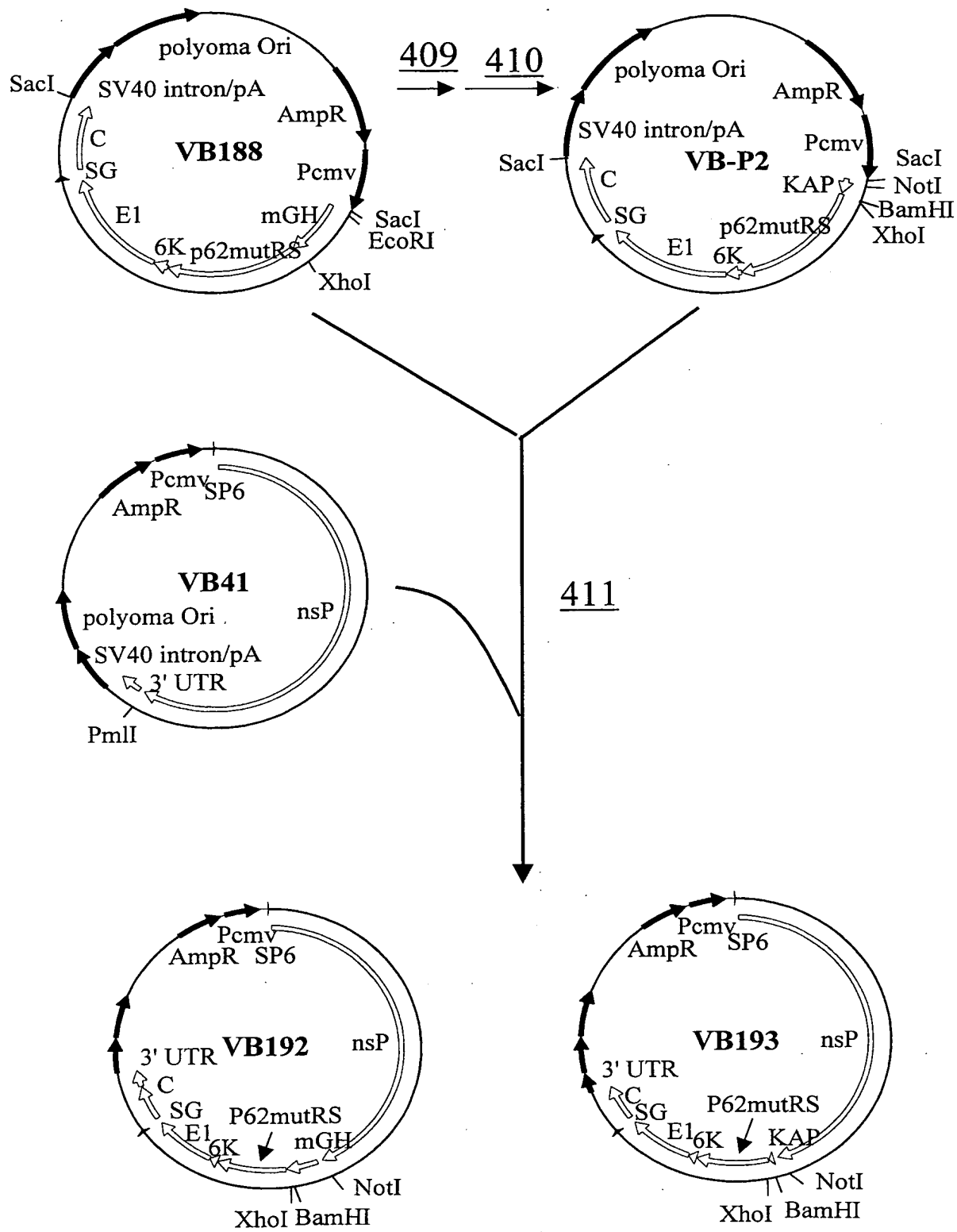


FIGURE 4D

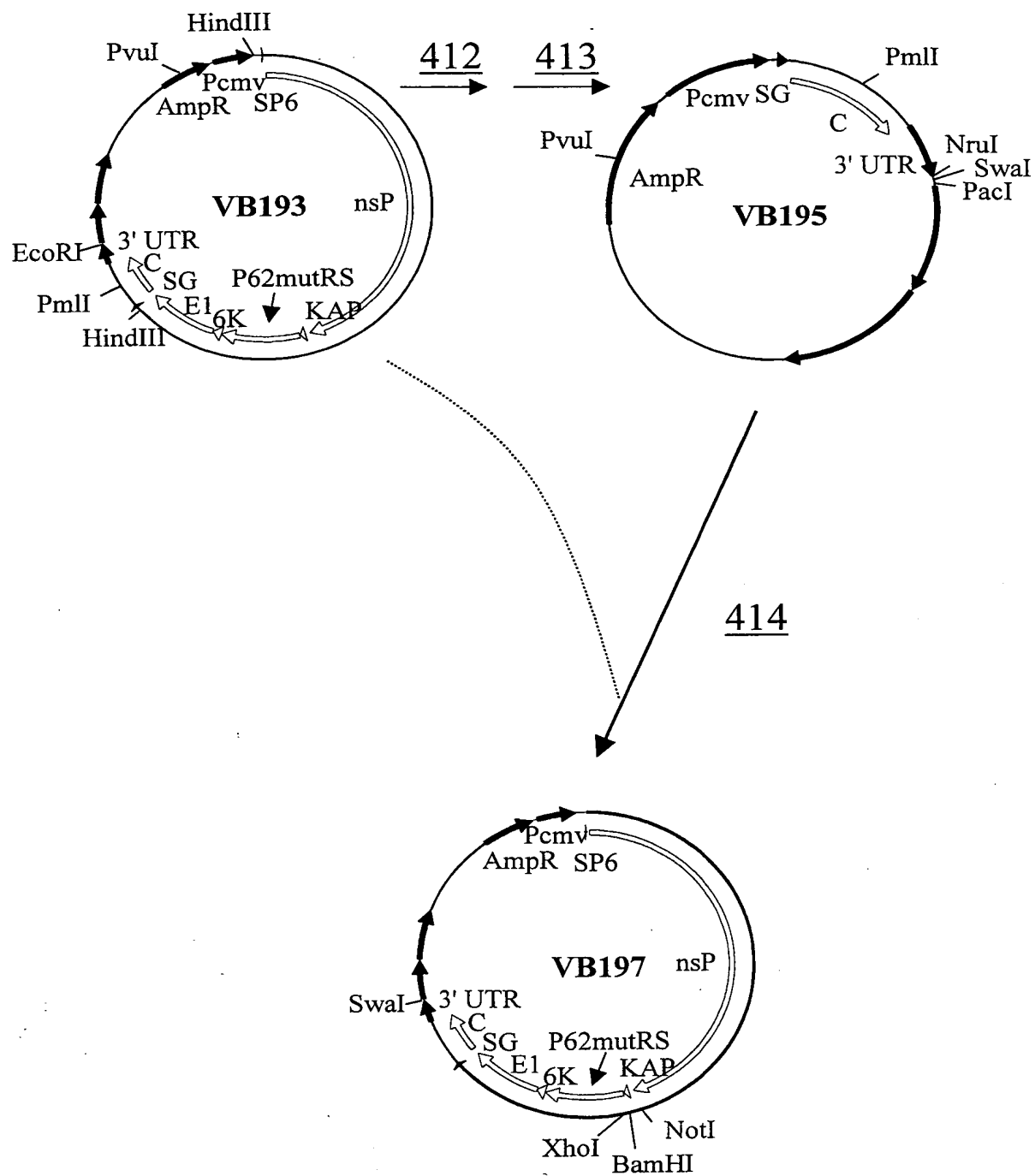


FIGURE 5A

	NotI	BamHI
...	tcgatcgaattc	GCGGCCGC
tctatt	GGATCC	tcgagcaga
TCT	GCA	GCA ...
S ₁	A ₂	A ₃

E1

FIGURE 5B

R ₄₃₉	*
AGA	TGA
atcaagcttatc	gataccgctcgagcatgcatctagg
tccaagccatcagaggggaaataaagc	atctctacgggtgctctaatagtcagcatagt
acatttc	atcigactaatactacaacaccacc
ATG	AAT
AGA	
Met ₁	N ₂
R ₃	
C	

FIGURE 5C

...	GAG	TGG	TCC	GCA	TGG	TGA.....
E ₂₆₃	W ₂₆₄	S ₁	A ₂	W	*	
C						

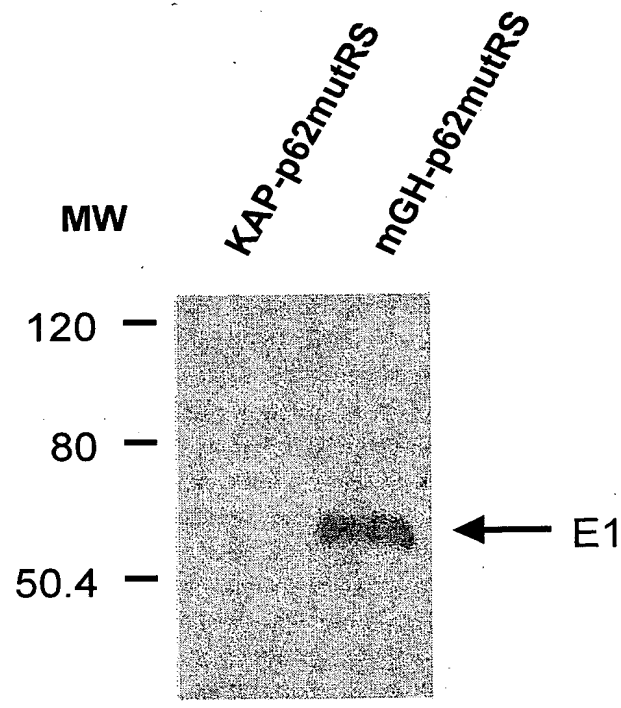
FIGURE 5D

...	(A) ₃₂ ggggaatttcgg	ATT	TAA	A	Tt...
Swal					

FIGURE 5E

WT p62	S	A	A	P	L	V	T	A	M	C	L	L	G	N	V	S
	tct	gca	gca	cca	cig	gtc	acg	gca	atg	tgt	tig	cfc	gga	aat	gfg	agc
p62mutRS	S	A	A	P	L	V	T	A	M	C	R	S	G	N	V	S
	tct	gca	gca	cca	cig	gtc	acg	gca	atg	tgt	agg	agc	gga	aat	gfg	agc

FIGURE 6



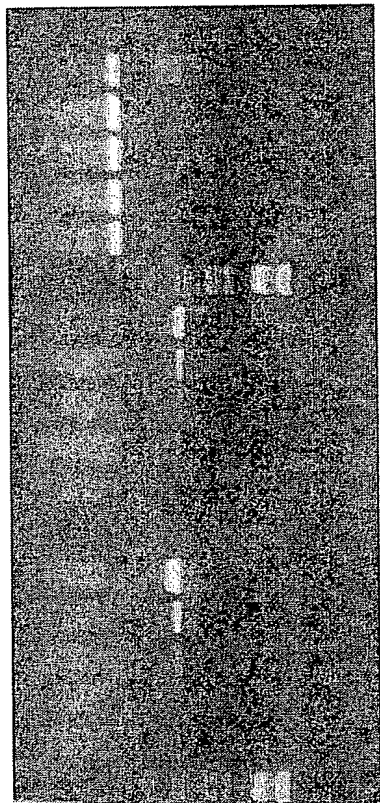
2nd passage

FIGURE 8A

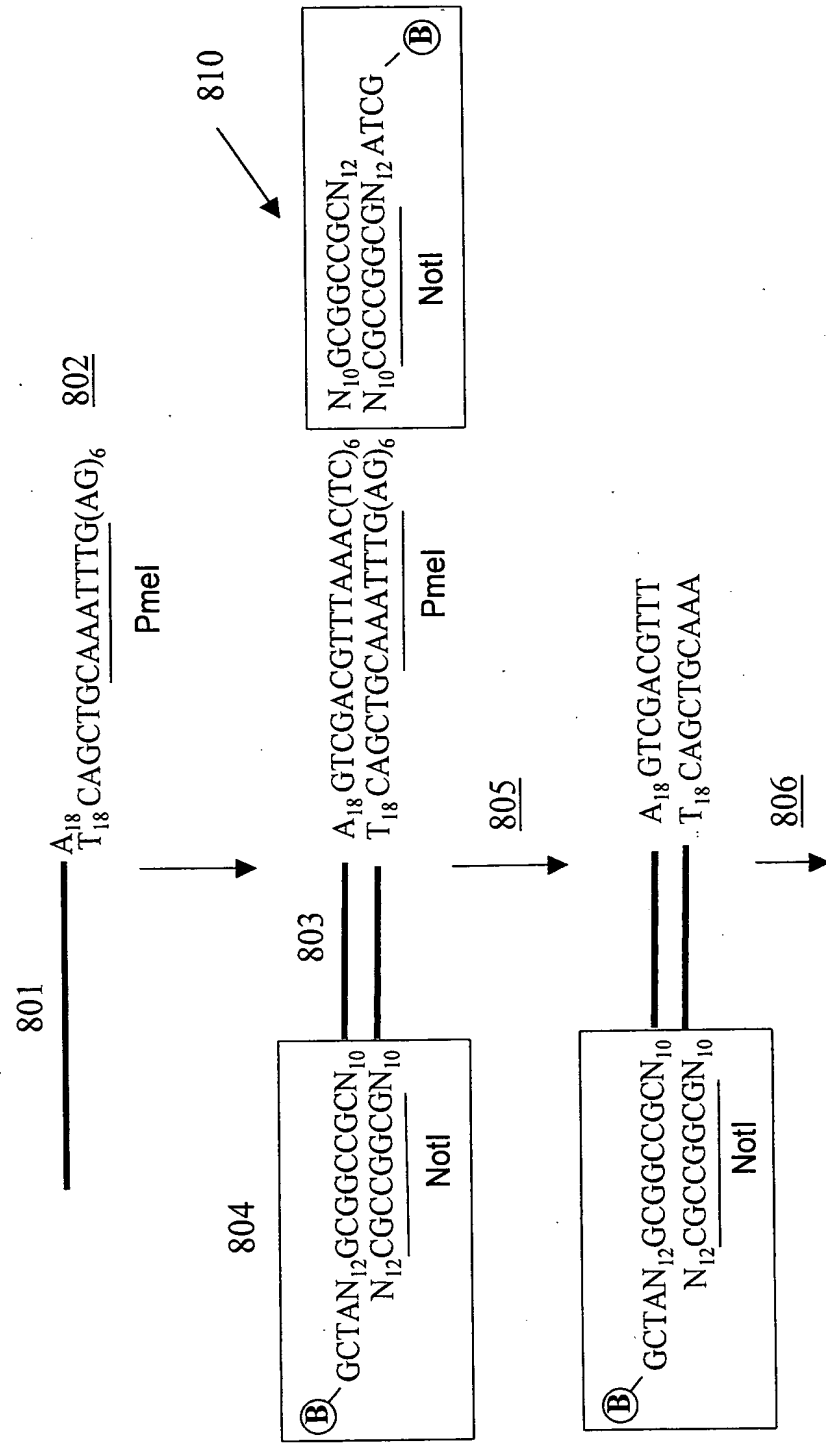


FIGURE 8B

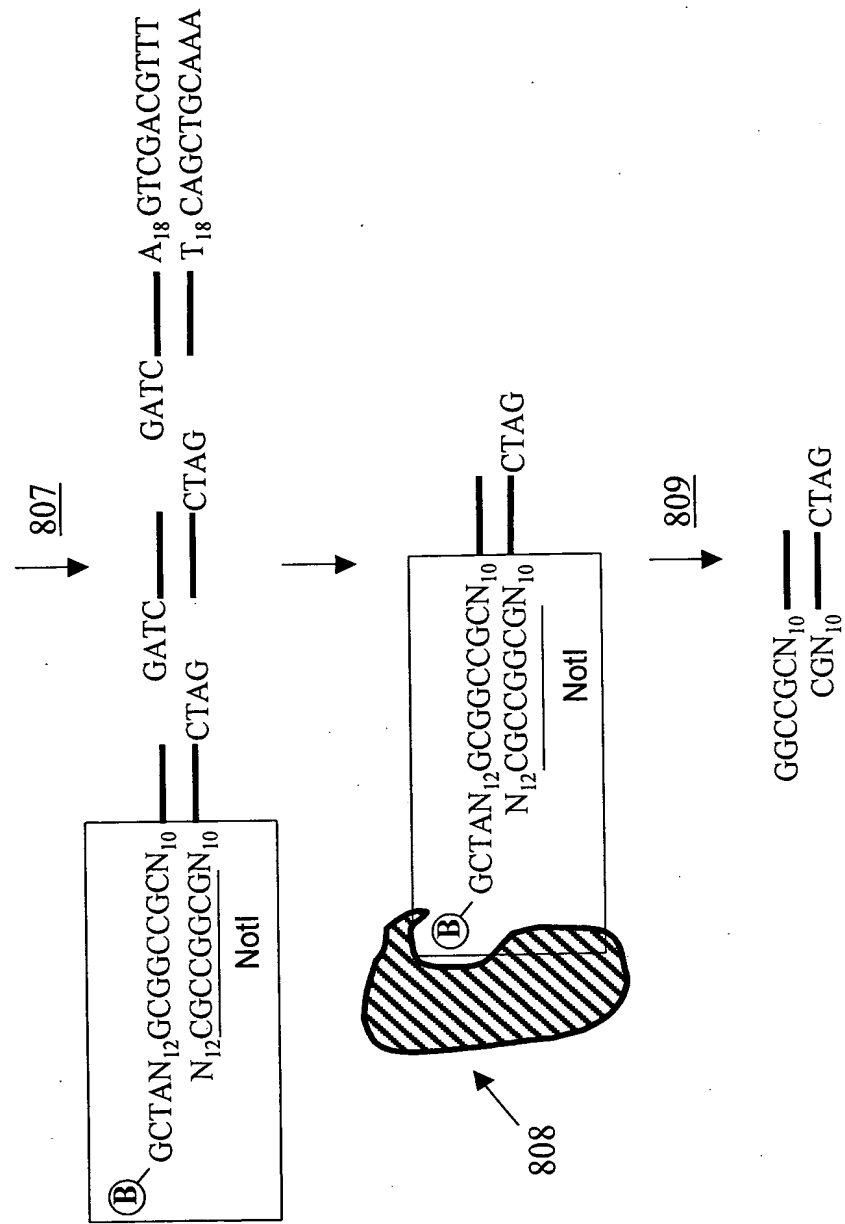


FIGURE 9A

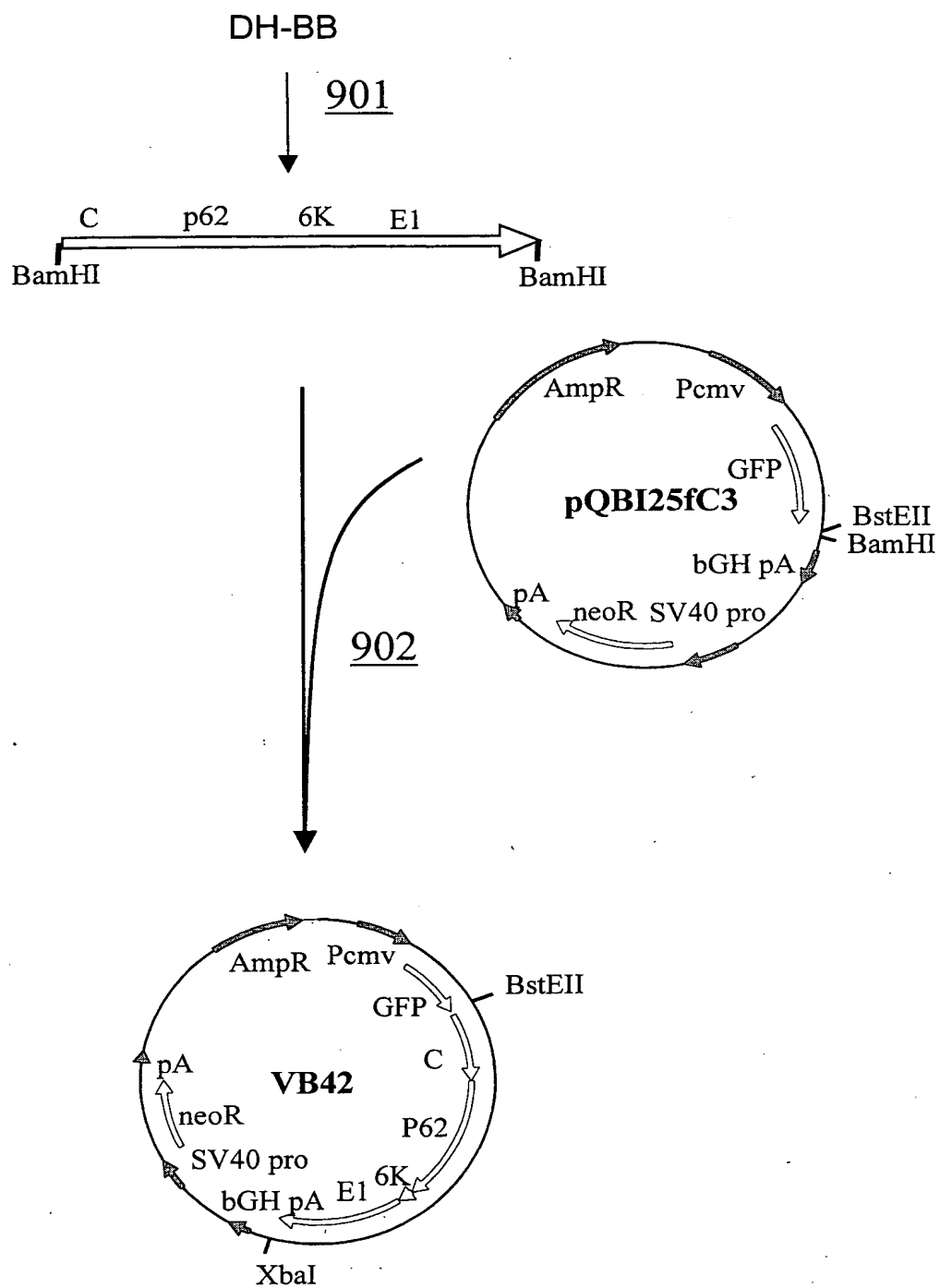


FIGURE 9B

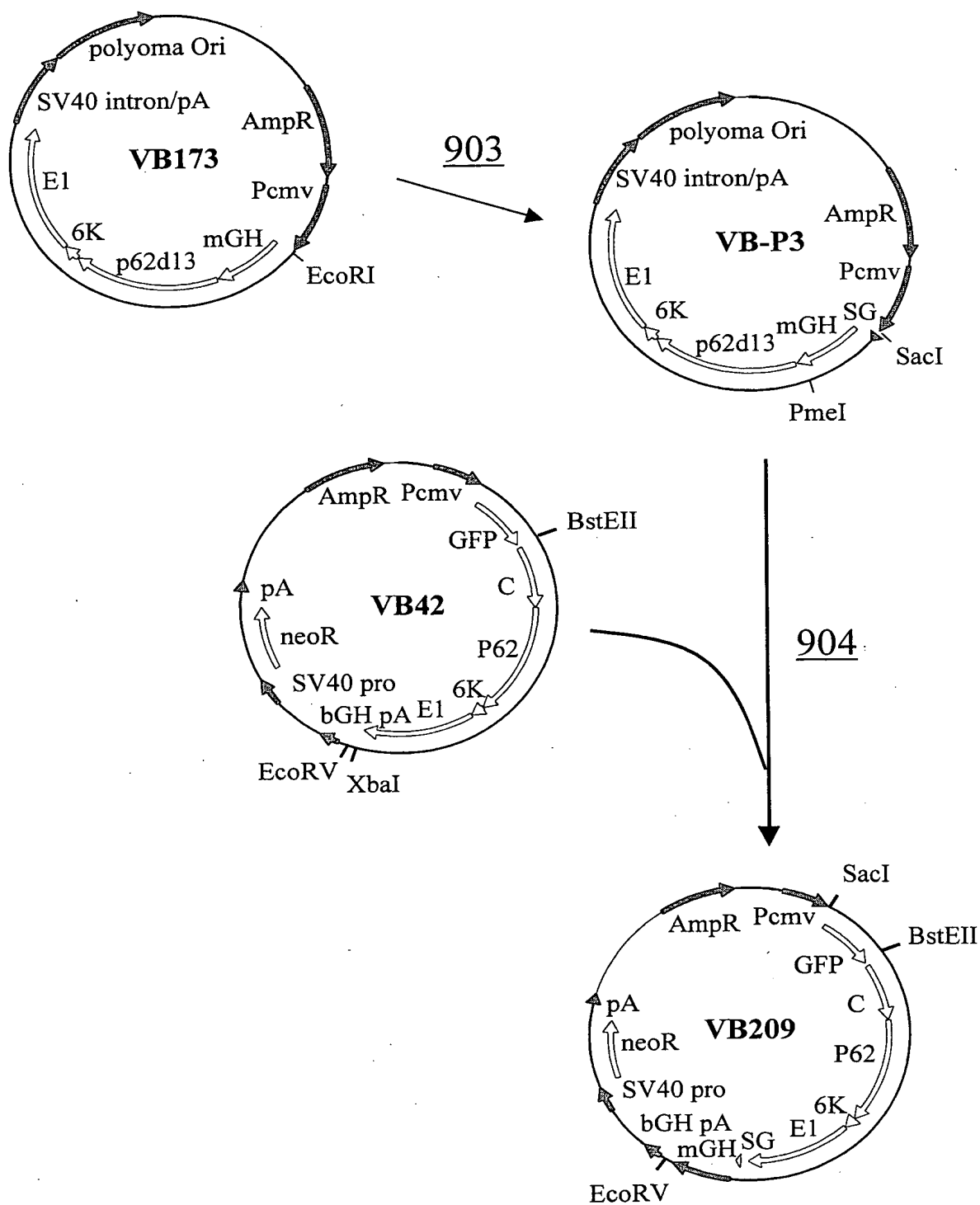


FIGURE 9C

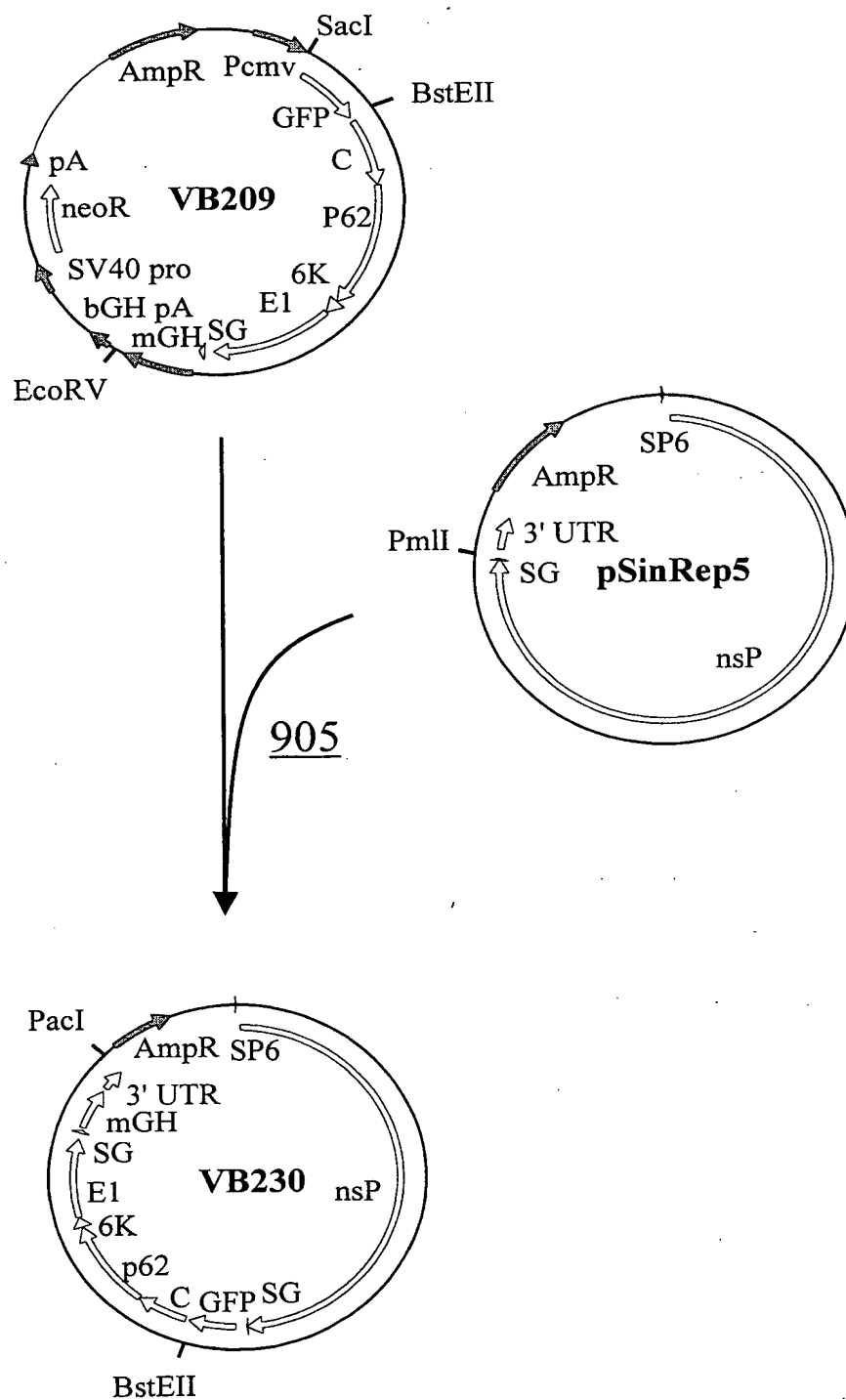


FIGURE 10A

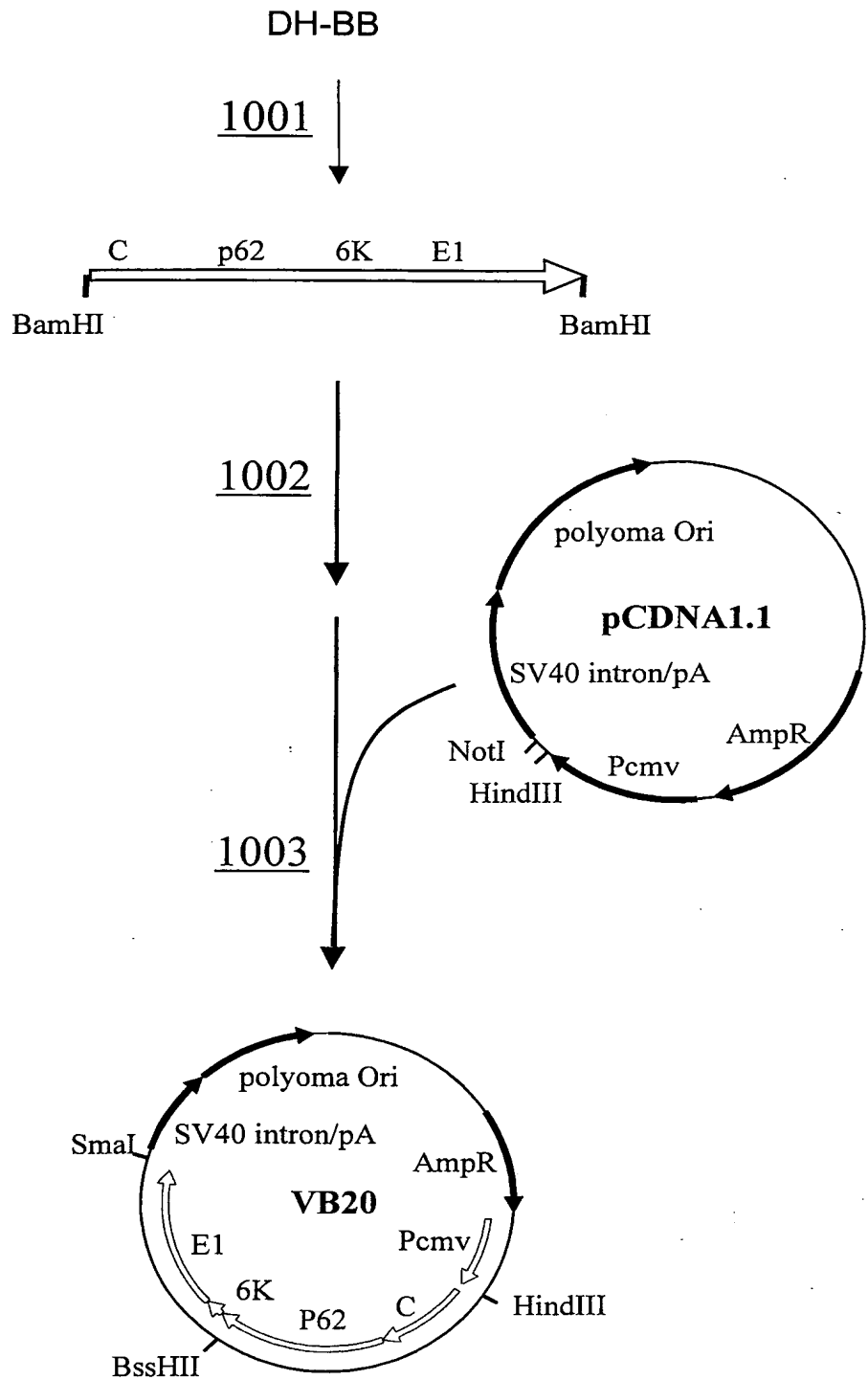


FIGURE 10B

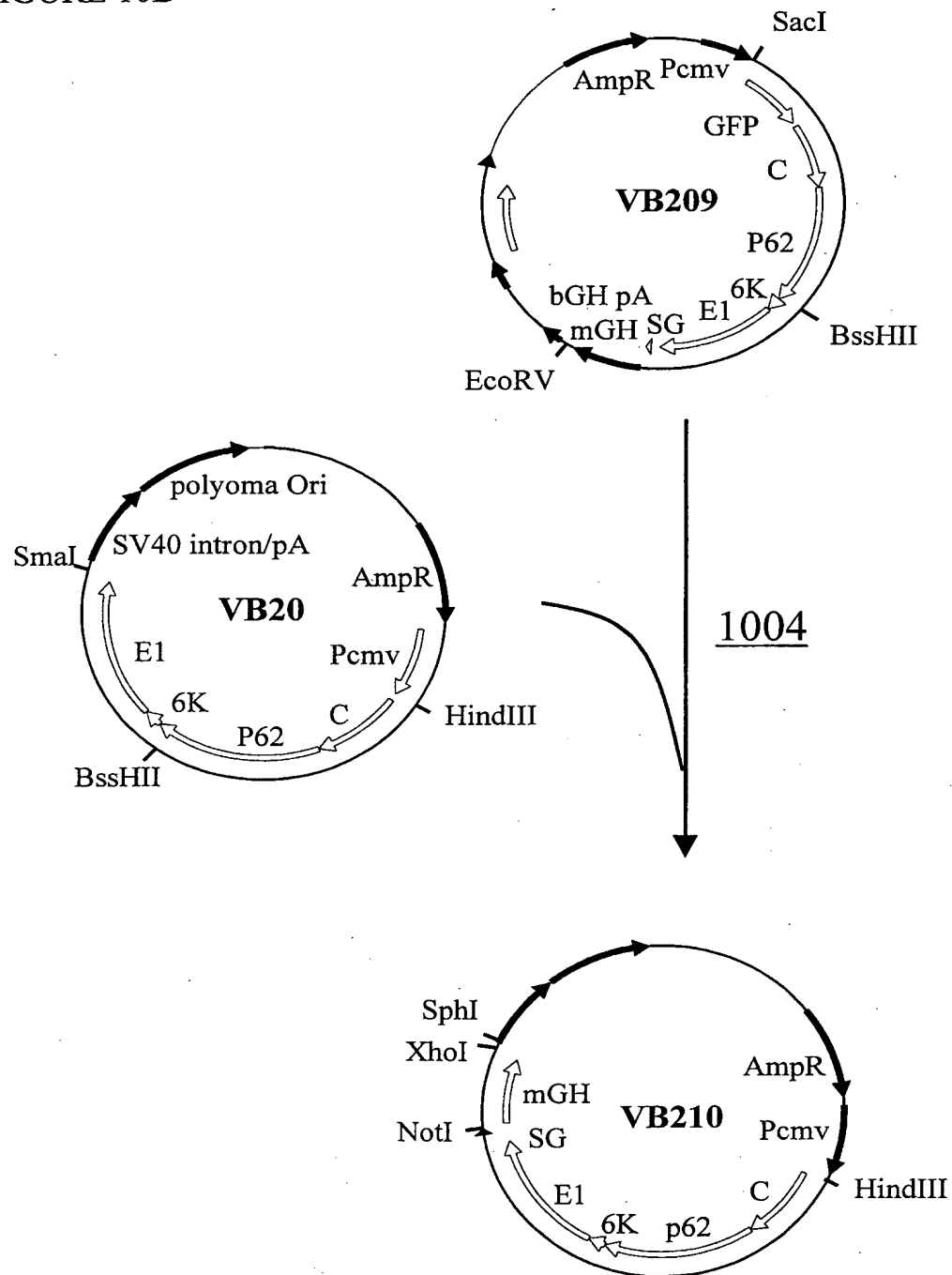


FIGURE 10C

